## Near-Infrared Imaging Spectroscopy of the Impacts of SL9 Fragments C, D, G, K, N, R, V, and W with Jupiter

D. Crisp (JPL) and V. Meadows (NRC/JPL)

We used the InfraRed Imaging Spectrometer (IRIS) on the Anglo Australian Telescope to monitor the collisions of Comet Shoemaker-I,cvy 9 fragments C, D, G, K, N, R, V, and W with Jupiter. We will summarize the impact timings and provide calibrated, spectrally-resolved light curves for each of these impact events. The abundances of CO, $CH_4$, $NH_3$, excited $H_2$, and aerosols within the evolving fireball will be presented. We will also describe the spatial distribution of these species within the impact clouds.